

Certificate of Analysis

PRODUCT:	PMSF [α -Toluenesulfonyl fluoride, Benzylsulfonyl fluoride, Phenylmethylsulphonyl fluoride] C₇H₇FO₂S; M.W. 174.2; CAS# [329-98-6]
PRODUCT NUMBER:	P-2401
LOT NUMBER:	L1550
APPEARANCE:	White fine needles/crystalline powder
FTIR:	Conforms
MELTING POINT:	93.0 °C – 95.0 °C
PURITY(GC):	99.08%
SOLUBILITY:	Clear, Colorless Solution in Chloroform and Diethyl Ether.
PRODUCT INFORMATION:	An irreversible inhibitor of serine proteases (such as thrombin, trypsin and chymotrypsin) and mammalian acetylcholinesterase. It causes sulfonylation of the active-site serine residues. Inhibits cysteine proteases like papain (reversible by DTT treatment). Also inhibits internucleosomal DNA fragmentation in immature thymocytes.
STORAGE & HANDLING:	Store desiccated at +4°C. PROTECT FROM MOISTURE! <u>WARNING:</u> IRRITANT! HARMFUL! CORROSIVE! CAUTION: For laboratory research & scientific manufacturing use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: PC